Philadelphia Engineer District

PED/Construction Phases

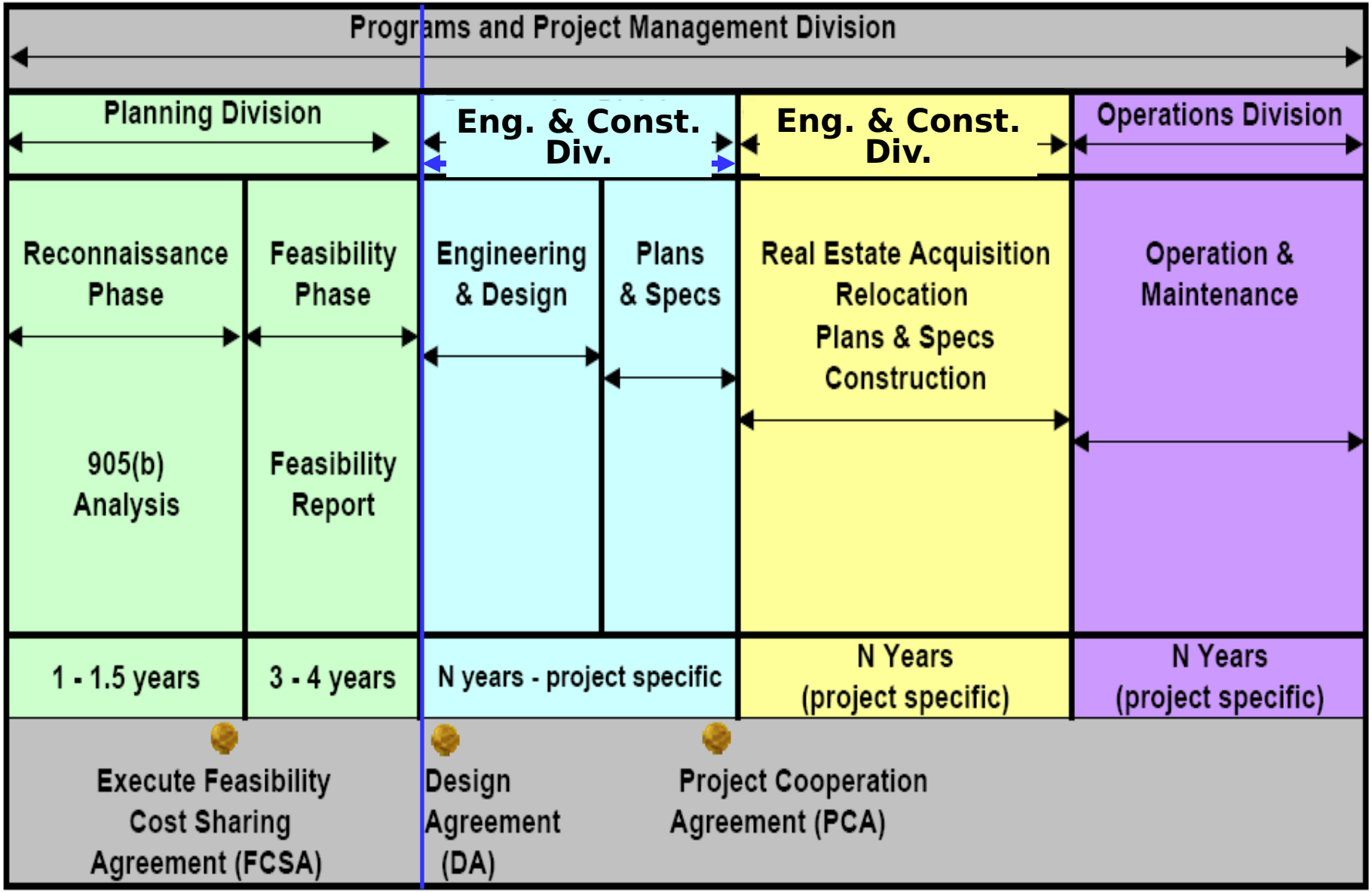
Civil Works

Civil Works Programs

Philadelphia Engineer District

- General Investigation
  - Reconnaissance Study
  - Feasibility Study
  - Preconstruction Engineering & Design (PED)
- Construction, General
- Continuing Authorities Program (CAP)

CIVIL WORK PROCESS & RESPONSIBILITIES - TYPICAL PROJECT



Preconstruction Engineering & Design

Philadelphia Engineer District

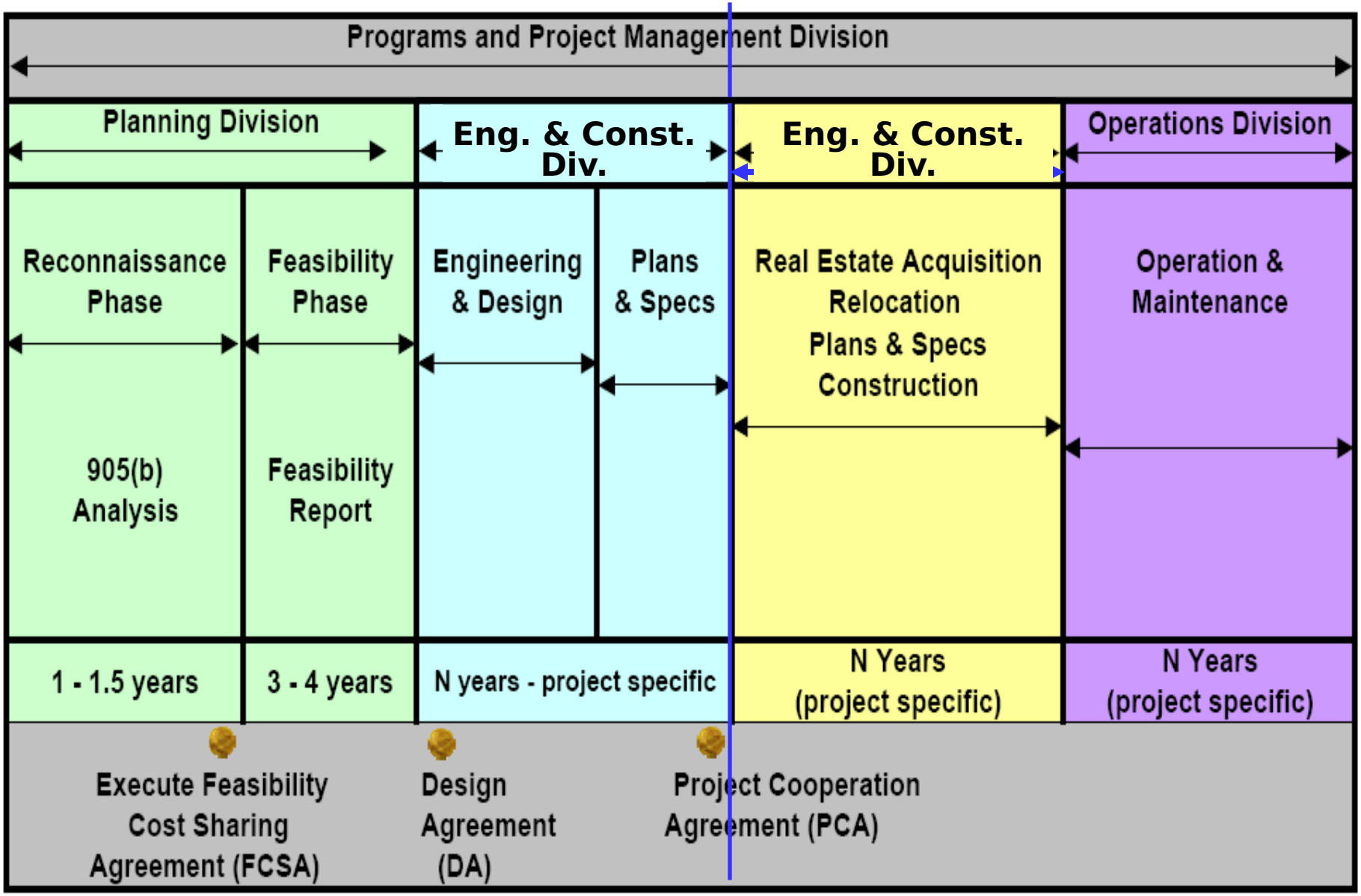
- PED Phase begins after:
  - Division Engineer's Public Notice for the Feasibility Report is issued
  - PED funds are allocated to the District
- Generally about two years
- Requires PED Cost Sharing Agreement
- Purpose is to complete detailed designs
- PED is complete when Plans and Specifications for the first construction contract are complete

Preconstruction Engineering & Design

Philadelphia Engineer District

- Funding
  - Funded with General Investigation (GI) funds
  - No longer seamless funding (compete as a new start/phase)
  - Model Cost Sharing Agreement
  - Cost sharing during PED is 75/25 (Fed/non-Fed)
  - Ultimately, cost shared same as construction
  - Corps financial system (CEFMS) requires appropriate funding balance

CIVIL WORK PROCESS & RESPONSIBILITIES - TYPICAL PROJECT



Construction

Philadelphia Engineer District

- Requirements Prior to Proceeding
  - Chief of Engineers' Report for Feasibility Study
  - Project Authorization (typically WRDA)
  - Office of Management and Budget clearance

Construction

Philadelphia Engineer District

- Funding
  - Funded with Construction General (CG) funds
  - Project competes for new start
    - Often requires Congressional additions to the budget
  - Project requires Project Cooperation Agreement (PCA)
    - Authority to negotiate once first construction funds have been received

Construction

Philadelphia Engineer District

- Construction Tasks
  - Complete plans & specifications for remaining construction contract
  - Real estate acquisition
  - Environmental permits (water quality and coastal zone management)
  - Initiate and complete initial project construction

Construction

Philadelphia Engineer District

- Cost Sharing for Initial Construction
  - Hurricane & Storm Damage Protection
    - 65% Federal vs. 35% Non-Federal
  - Navigation
    - varies by depth (20%-60% Non-Federal)
  - Flood Control
    - 65% Federal vs. 35% Non-Federal
  - Recreation
    - 50% Federal vs. 50% Non-Federal
  - Ecosystem Restoration
    - 65% Federal vs. 35% Non-Federal

Sponsor Requirements

Philadelphia Engineer District

- Execute Project Cooperation Agreement
- Provide non-Federal funding
- Provide all real estate
- Participate in Operations and Maintenance (varies by project purpose):
  - Storm Damage Reduction: 35-50%
  - Navigation up to 45 Feet: 0%
  - Flood Damage Reduction: 100%
  - Recreation: 100%
  - Ecosystem Restoration: 100%

Corps Requirements

Philadelphia Engineer District

- Federal funding
- Complete plans and specifications for remaining construction contracts
- Conduct bid process/ acquire contractor
- Supervise and administer construction
- Acquire environmental permits